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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/627,694 07/28/00 HOUGHTON

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021121  
OPPEDAHL AND LARSON LLP  
P O BOX 5068  
DILLON CO 80435-5068

HM22/0301

EXAMINER
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HARRIS, A ART UNIT	PAPER NUMBER
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1642  
DATE MAILED:

03/01/01

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.  
09/627,694

Applicant(s)

Houghton et al.

Examiner  
Alana M. Harris, Ph. D.

Group Art Unit  
1642



- ☐ Responsive to communication(s) filed on \_\_\_\_\_
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 0 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

- ☒ Claim(s) 1-39 is/are pending in the application.
- Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☒ Claims 1-39 are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit:

*Election/Restriction*

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-21, drawn to a method for stimulating an immune response comprising administering an immunologically-effective amount of a therapeutic differentiation antigen, classified in class 424, subclass 184.1.
  - II. Claims 22 and 23, drawn to a method for stimulating an immune response comprising administering to the blood or bone marrow-derived cells an immunologically-effective amount of DNA, classified in class 514, subclass 44.
  - III. Claims 24-28, drawn to a method for stimulating an immune response comprising administering an immunologically-effective amount of a mutant form of therapeutic differentiation antigen, classified in class 424, subclass 184.1.
  - IV. Claims 29-32 and 33, drawn to a non-human cell line expressing a human differentiation antigen, classified in class 435, subclass 348. Claims 29-32 will be examined with Group IV to the extent that the antigen is gp75.
  - V. Claims 29-32 and 34, drawn to a non-human cell line expressing a human differentiation antigen, classified in class 435, subclass 348. Claims 29-32 will be examined with Group V to the extent that the antigen is gp100.
  - VI. Claims 29-32 and 35, drawn to a non-human cell line expressing a human differentiation antigen, classified in class 435, subclass 348. Claims 29-32 will be examined with Group VI to the extent that the antigen is TRP-2.

Art Unit:

VII. Claims 29, 30, 36 and 37, drawn to a non-human cell line expressing a human differentiation antigen, classified in class 435, subclass 348. Claims 29 and 30 will be examined with Group VII to the extent that the antigen is a prostate specific antigen.

VIII. Claims 38 and 39, drawn to an expression vector, classified in class 435, subclass 320.1.

2. The inventions are distinct, each from the other because of the following reasons:

The methods of Groups I-III differ in the method objectives, method steps and parameters and in the reagents used.

Groups IV-VIII are structurally and functionally different products which are made by different methods and have different uses. The examination of all groups would require different searches in the U.S. Patent Shoes and the scientific literature and would require the consideration of different patentability issues.

Inventions of Group I and Groups IV and V are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the product of Groups IV and V can be used in the method of Group I.

Art Unit:

Inventions of Group II and Groups VII and VIII are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the product of Groups VII and VIII can be used in the method of Group II.

Inventions of Group III and Groups IV-VIII are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case any of the products of Groups IV-VIII can be used in the method of Group III.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

4. Attempts to reach Nancy J. Parsons by telephone on March 1, 2001 to request an oral election to the above restriction requirement were unsuccessful.

Art Unit:

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CAR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

6. **Please Note:** In an effort to enhance communication with our customers and reduce processing time, Group 1640 is running a Fax Response Pilot for Written Restriction Requirements. A dedicated Fax machine is in place to receive your responses. The Fax number is 703-308-4315. A Fax cover sheet is attached to this Office Action for your convenience. We encourage your participation in this Pilot program. If you have any questions or suggestions please contact Anthony Caputa, Ph.D., Supervisory Patent Examiner at Anthony.Caputa@uspto.gov or 703-308-3995. Thank you in advance for allowing us to enhance our customer service. Please limit the use of this dedicated Fax number to responses to Written Restrictions.

7. Papers related to this application may be submitted to Group 1642 by facsimile transmission. Papers should be faxed to Group 1642 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette,

Art Unit:

1096 OG 30 (November 15, 1989). The Crystal Mall One Fax Center telephone number is (703) 308-4242 or (703) 305-3014.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alana M. Harris whose telephone number is (703)306-5880. The examiner can normally be reached on Monday through Friday from 6:30 am to 3:00 pm. A message may be left on the examiner's voice mail service. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Caputa, can be reached on (703)308-3995. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-0196.

  
SHEELA HUFF  
PRIMARY EXAMINER



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